



Texas Poison Center Network

Friday, April 5, 2019

Intercontinental Terminal Company Fire in Deer Park, Texas

Daily Situation Report (SITREP) #12 (FINAL REPORT)

Reporting Period: March 18, 2019 – April 5, 2019 (9am)

Current Situation:

- Intercontinental Terminal Company chemical storage tanks caught fire the evening of Sunday, March 18, 2019. The chemicals released in the fire include Naphtha, Xylene, Toluene, and Benzene. The fire continued to burn until Wednesday, March 20, 2019.
 - Based on air monitoring reports from TCEQ taken today, local officials report readings remain below action levels. No serious injuries have been reported from the incident. Continuous air monitoring by TCEQ and EPA are being done.
 - On Friday March 22, 2019 at approximately 12:15PM the dike wall at ITC Deer Park containing the product released during the recent fire event partially collapsed. As a result, ITC sent out a Shelter-In-Place notification to industrial neighbors and the San Jacinto Texas State Historic Site. At this time, the City of Deer Park is not ordering this within the city limits and will update as available.
 - Poison Centers collected data from calls in which information was requested regarding the chemicals involved; a person was reporting being exposed to the toxic fumes, or health care professionals requesting recommendations regarding treatment symptoms.
 - The most common reported symptoms as of 3/25/19 were headache, nausea, throat irritation, cough, dizziness and or vertigo, chest pain, and ocular irritation.
 - Texas Department of State Health Services is warning people not to eat fish caught in the Houston Ship Channel. The entire area has been closed since Friday (3/22/19), and the U.S. Coast Guard has been skimming the water to pull out oily product.
 - The TPCN received a total of 262 calls from 3/17/19 to 4/5/19 as of 9 am. Of these calls, 196 calls were exposures and 67 were requests for information calls.
- Please continue to share the Poison Control Center **phone # 800-222-1222** concerning possible exposures.
 - Poison Centers can also be of consultative services for Unified Command.

Contact Personnel:

S. David Baker, PharmD, DABAT, FAACT
Managing Director Central Texas Poison Center
Interim Managing Director Southeast Texas Poison Center
PCCC Vice Chair Office – 254.724.7409 David.Baker@BSWHealth.org



Table 1	Exposure	Information	Total
Calls per day			
03/17/2019	1	0	1
03/18/2019	4	4	8
03/19/2019	6	5	11
03/20/2019	5	1	6
03/21/2019	73	16	89
03/22/2019	42	21	63
03/23/2019	15	5	20
03/24/2019	8	1	9
03/25/2019	11	3	14
03/26/2019	7	2	9
03/27/2019	3	2	5
03/28/2019	4	1	5
03/29/2019	5	1	6
03/30/2019	3	1	4
03/31/2019	3	1	4
04/01/2019	1	3	4
04/02/2019	3	0	3
04/03/2019	2	0	2
Total	196	67	263
Patient Age Group			
>13	21	2	23
13-19	10	0	10
20-29	31	2	33
30-39	29	0	29
40-49	29	2	31
50-59	19	0	19
<=60	23	1	24
Total	161	7	169
**Missing = 94			



Table 2	Exposure	Information	Total
Caller Relation to Patient			
Medical Professional (500-504)*	54	5	59
Self (505)*	74	5	79
Relative (506-510)*	34	4	38
Other (511-512)	4	0	4
Total	166	14	180
**Missing = 83			
Caller Site			
Own Residence (230)*	121	12	133
Other residence (231)*	1	0	1
Workplace (232)*	3	0	3
Health Care Facility (233)*	61	6	67
Public Area (236)*	1	0	1
Other (237)*	7	1	8
Unknown (238)*	2	0	2
Total	196	19	215
**Missing = 49			

* The number in the parenthesis () corresponds to the code in Toxicall

** Number missing calls from category

Table 3 below displays the total number of information case records received, grouped by the type of information call.

Table 3: Type of Total Information Calls	
Type	Frequency
Drug Information (251)	2
Environmental Information (253)	42
Medical Information (254)	12
Poison Informtaion (256)	6
Other Information (259)	5



Table 4 displays information about the different substances reported on each case record. Each case can have multiple substances reported. The table displays the substances called about by day and total times substance was reported on an Exposure or Information case record. The uptick in case records related to Benzene and Smoke occur on Mar 21 after the shelter in place was issued.

Table 4														
	Admin Info	Benzene	Carbon Monoxide	Ethylene Dichloride	General / Unknown	Hydro - Carbon	IBU-200	Indoor Air Quality	Naptha	Poison Info	Smoke	Toluene	Xylene	Total
03/17/2019	0	0	0	0	0	1	0	0	0	0	0	0	0	1
03/18/2019	0	0	1	0	1	0	0	0	3	0	1	2	3	11
03/19/2019	0	0	1	1	0	1	0	1	1	0	3	1	2	11
03/20/2019	0	5	0	0	0	0	0	0	3	0	0	3	3	14
03/21/2019	0	42	1	0	0	0	0	0	0	0	49	0	0	92
03/22/2019	0	31	1	0	0	0	0	0	0	0	21	0	0	53
03/23/2019	0	4	6	0	0	0	0	0	0	1	8	0	0	19
03/24/2019	0	6	1	0	0	0	0	0	0	0	1	0	0	8
03/25/2019	0	9	0	0	0	0	0	0	0	0	4	0	0	13
03/26/2019	1	1	0	0	0	0	0	0	0	0	7	0	0	9
03/27/2019	0	3	0	0	0	0	0	0	0	0	0	0	0	3
03/28/2019	0	4	0	0	0	0	1	0	0	0	3	0	0	8
03/29/2019	0	6	0	0	0	0	0	0	0	0	0	0	0	6
03/30/2019	0	4	0	0	0	0	0	0	0	0	0	0	0	4
03/31/2019	0	1	0	0	0	0	0	0	0	0	2	0	0	3
04/01/2019	0	2	0	0	0	0	0	0	0	0	0	0	0	2
04/02/2019	0	1	0	0	0	0	0	0	0	0	2	0	0	3
04/03/2019	0	1	0	0	0	0	0	0	0	0	1			
Total	1	120	11	1	1	2	1	1	7	1	102	6	8	260
Exposure Call	0	99	11	1	1	2	1	0	5	0	97	4	6	227
Information Call	1	21	0	0	0	0	0	1	2	1	5	2	2	35

Table 5 relates to Exposure calls only:

Table 5: Exposure Site by Exposure Reason					
	Unintentional General	Unintentional Environmental	Unintentional Occupational	Adverse reaction	Total
Own residence	14	121	0	1	136
Other residence	1	3	0	0	4
Workplace	0	7	15	0	22
School	0	1	0	0	1
Public area	0	23	3	0	26
Other	1	4	0	0	5
Unknown	0	2	0	0	2
Total	16	161	18	1	196



Table 6 displays symptoms reported on each call. Each caller could have multiple symptoms. There were 133 callers that reported symptoms.

Table 6	
Symptom	Frequency
Cardio	
ChestPain	14
ECGChgOther	1
Hypertension	3
Atrial Fib / Flutter	1
Dermal	
Blisters	2
Erythema Flushed	2
Irritation / Pain	8
Pruritus	4
Rash	1
Gastro	
AbdominalPain	6
Diarrhea	6
Nausea	29
Oral Irritation	2
Throat Irritation	39
Vomiting	17

Table 6	
Symptom	Frequency
Neuro	
Ataxia	2
Dizziness / Vertigo	22
Headache	64
CNS Depression	3
Muscle Weakness	2
Tinnitus	2
Occular	
Blurred Vision	1
Irritation/ Pain	20
Lacrimation	2
Respiratory	
Cough / Choke	25
Dyspnea	11
Misc	
Fever	4
Other	13